

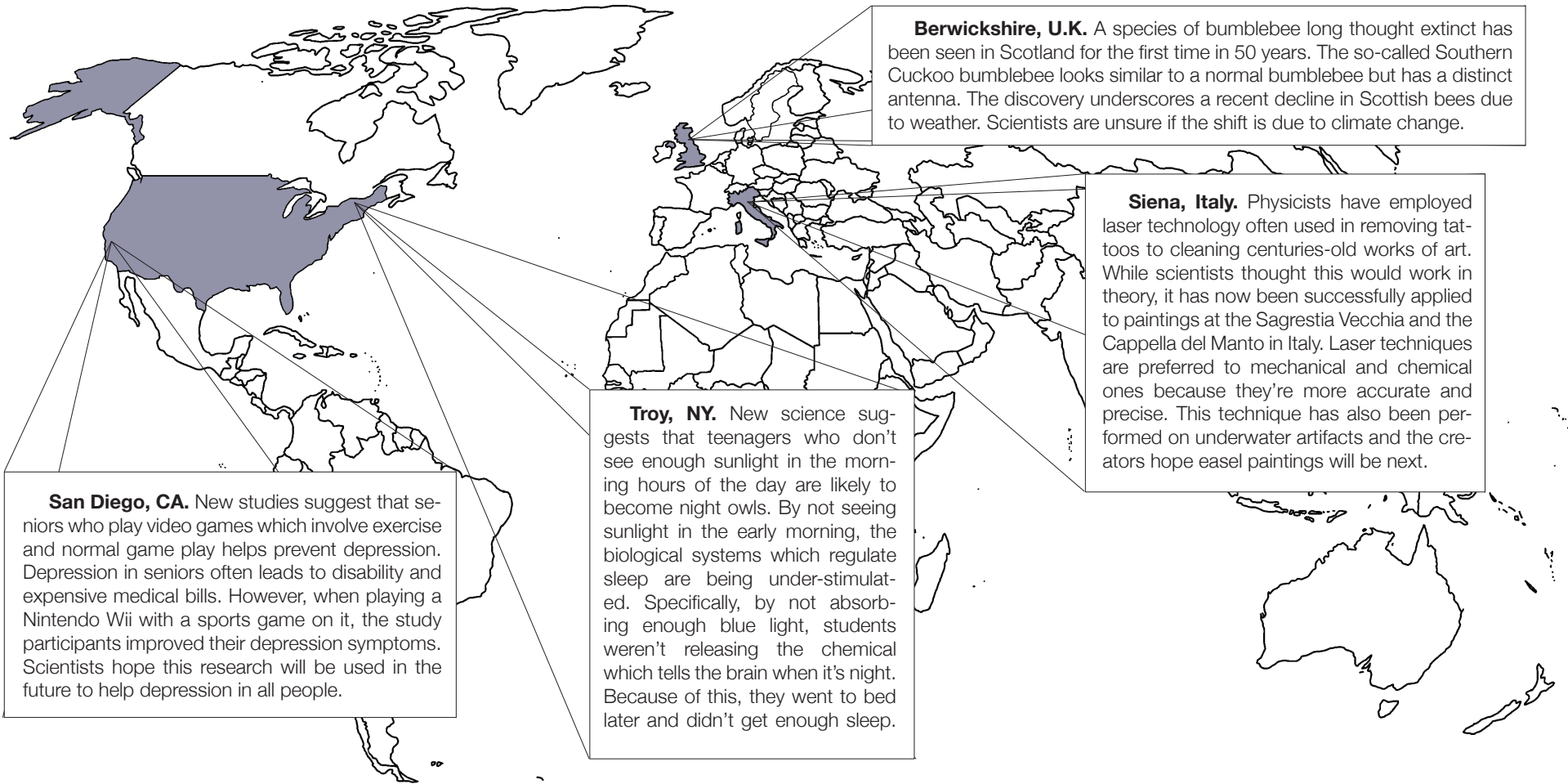
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# Scientific discoveries this week

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## Headlines from around the world

Emily Trudell, Staff Writer

A **magnitude 8.8** earthquake struck 197 southwest of the Chilean capital city, Santiago. The Nazca plate, subducting under the South American plate, caused the quake. The earthquake ruptured 340 miles of the fault zone. The earthquake was located 140 miles north of the location of the largest earthquake ever recorded, a magnitude 9.5 quake, recorded in 1960.

Dawn Brancheau, a **Seaworld trainer**, was killed during a show last week when an Orca whale grabbed her from a platform next to the pool and dragged her underwater. The whale, Tilikum, was previously involved in a trainer's death in 1991. Brancheau, age 40, was an expert trainer at the park.

A man shot and killed a **special education teacher** as she arrived at Birney Elementary in Tacoma, Washington. The suspect later open fired at a deputy in the parking lot of a daycare and was killed when the deputy returned fire. The deputy was not hurt, and police believe that the man had an "infatuation" with the 30 year old teacher.

Anthony Stancl, 19, from New Berlin, Wisconsin, was sentenced to 15 years in prison for **blackmailing** dozens of his high school peers for sex using Facebook. Stancl pleaded no contest to two felony counts and repeated sexual assault of a minor.

A **tsunami advisory** was issued in Japan's Ryukyu islands after a 7.0 magnitude earthquake struck off of the coast of Okinawa Friday morning. People living near the seashore were encouraged to evacuate.

Pepsico's **Gatorade(R)** brand announced that it would be ending

its partnership with Tiger Woods. Gatorade(R) was the third brand to drop its commitments with Woods, preceded by Accenture and AT&T. The announcement came after months of scandal regarding Woods' extramarital affairs.

**India's Finance Ministry** predicted an 8.75 percent increase for the coming fiscal year, indicating a return to the economic state that the country enjoyed before the recent global economic downturn.

Television star **Gary Coleman** was hospitalized after suffering a seizure on the set of "The Insider." Coleman, 41, is reported to be in stable condition in a Los Angeles hospital and was also hospitalized last month for seizure activity.

Seven tourists were killed in a **plane crash** near the Nazca Lines, a famous site in Peru. The tourists were Chilean and Peruvian and were viewing the landmark hieroglyphs.

A study conducted by the London School of Economics and Political Science found that people who had **atheist and liberal beliefs**, and men who are sexually exclusive generally had higher IQ,s. The school said that this data should not be used to typecast people, as the difference was only 6 to 11 points.

France began the draft of a proposal that would require violent husbands to wear an **electronic tag** if they have received a restraining order to stay away from their spouse. The proposal is being debated among the French Parliament, as part of a law on conjugal violence. The law is expected to pass, and as received cross party support in France.

**Bloom Energy** announced the commercial availability of their Bloom Energy Server(tm), a fuel cell system that can provide the power for approximately 100 residential homes, with a payback time on the investment of 3-5 years.

## Local News

The CSM women's basketball set a program record by taking their 20th win beating Chadron State 81-69. The beats the previous record of 19 set in both the 2004-2005 and 2008-2009 seasons.

CSM cross-country runners Aaron Swift, Sydney Laws and Marie Patton earned All-Academic honors by the United States Track & Field Cross Country Coaches Association 2009.

March 1 is National Peace Corps Day. There will be a presentation in Ballroom C of the Student Center by the Mines Peace Corps recruiter.

The CSM Orediggers Baseball team beat the University of Nebraska-Kearney 9-7 in the opener of a 3-game series. UNK then went on to win the final two games of the series.

With a win over Chadron State 84-74, the CSM Orediggers men's basketball team have ensured their #1 seed in the East Division for the RMAC Shootout.



# Student Development promotes wellness to campus community

## Courtesy Student Development Services

Wellness day, hosted by Student Development Services, is coming up!

Be sure and partake in the festivities at CSM's Annual Wellness Day!

Each year, a variety of local health & wellness experts gather in the Ballrooms of the Student Center to share their wares with the CSM campus community. This event is a wonderful opportunity to sample new products, get free massages, participate in health screenings and safety demonstrations, and just have a great time!

Where else can you taste organic foods, get some quick health checks, dabble in acupuncture, learn to manage stress and get a body comp test all in one place? Did I mention the **free stuff**?

We continue to promote the 5 Dimensions of Wellness: Physical, Emotional, Social, Intellectual and Spiritual through this event. We have invited vendors who represent all of these dimensions with the goal of broadening our views of Wellness. Everything from traditional and alternative medicine, safety and prevention, outdoor recreation and travel, to healthy eating and nutrition will be represented.

Each year we introduce new

vendors and keep our loyal favorites. These service providers donate their time and resources to educate our campus community and converse with students. In recent years, vendors have shared how impressed they are with the quality and thoughtfulness of student questions and interest levels during this event. In addition to the great giveaways, we hope participants walk away with new awareness and openness to trying something new to promote their well-being.

Wellness Day occurs Friday, March 5th from 10:30am to 1:30pm in the Student Center Ballrooms.

# Tornados in Rec Center

## Trevor Crane Staff Writer

Now I have seen it all. I knew that the Colorado School of Mines was known for its unreal amount of clubs for students to get involved in, but it never dawned on me that the school might actually have a Hula Hoop Club. But, we have clubs and organizations for all other types of activities, so why not a Hula Hoop Club? This was the thinking behind Liz Major's idea to start the club.

A young club, Major's Hooping club just began holding sessions at the end of last fall to give people a chance to give the circular piece of plastic a try. Major first discovered the activity at a recent music festival. "There were people all over the place just dancing with hoops" she quipped. But the idea grabbed her interest, and she was hooked. However, the idea of organized Hooping is not an original idea by Major. There is a strong and growing community of people out there. Mostly located in California and Colorado, people from all demographics come together as it gives everyone a chance to participate.

Organized Hooping is composed mainly of two sections, a dancing portion and an aerobic portion. The aerobics is a display of a combination of both yoga-type exercise and coordination with a hoop. Major explained that this portion of hooping has provided some realistic results. In her words, "It keeps you toned. Hoopers don't have muffin tops." This activity is for anyone looking to shed a little extra baggage or to build up their core.

The dancing part, Major's favorite, provides a fun outlet from school. They don't perform or compete, but just get together to dance and try ridiculous new tricks. Some of Major's favorites include a Vortex

and a Halo. But there are hundreds of tricks out there. They range from stalls, to throwing the hoop off your body, to insane spins that would make me pass out.

But don't be fooled, this is a far cry from those innocent little plastic hoop you played with in 2<sup>nd</sup> grade gym class. The Hoopers' hula hoops are much bigger and heavier, for better performance. Average hoops come between 30-40" and weigh around two pounds. "People at Mines will understand the physics of it," Major assured, "bigger hoops are easier to keep rotating around your body". And she convinced me that this club isn't for the faint of heart. Many hoopers get bruises from repeated hits from the hoop or from violently orbiting it around their knees. And you know how football players wear certain gloves to help catch a football? The same principle is true when it comes to the tape wrapping around a hoop. Major spends time deciding a balance between aesthetic appearance and friction when deciding which tape to utilize. This club takes hula hoops to the next level.

Right now, Major's group is a small one. Still in its "infancy", as she described it, the club is eager to accept new faces. They meet in the McNeil room of the Student Recreation Center every Tuesday night and Thursday afternoon and the meetings are open to anyone. Major explained that many of the people she knows are very interested in the idea of hula hooping, and is trying to spread the word. But you don't have to be an expert like Major, performing Vortexes in the middle of the student center, to be involved. "We've had a few noobs come in, that's for sure", she noted. But that's the best part. It's a group of students just getting together to take their mind off school and have fun.



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## TECH BREAK

Ian Littman, Tech Break Columnist

## SSH Tunneling: Like a VPN, only cooler

If you've read previous Tech Breaks, you know about the Mines VPN; install a small piece of software on your computer and you can connect to the Mines campus from anywhere, as if you were sitting in the CTLM. That's great, but the VPN isn't the fastest technology in the world, and it's a bother to have to download and run the client on any machine you want to use to access the Mines network. Fortunately, thanks to the presence of several non-firewalled Linux systems on-campus, there is another way: SSH tunneling. The cool thing about SSH tunneling is that both ends of the connection don't need anything special to make it work. You're just logging into a remote system and proxying whatever traffic you want through it. On your end, all you need is an SSH client (built-in on Mac OS X and Linux, PuTTY on Windows). On the server end, all you need is something with SSH and a firewall exception (or no firewall at all) so you can connect via SSH from the outside world. This means that many cheap web hosting accounts can actually be used to securely browse the web from anywhere by just SSH tunneling in; all four of my web hosts allow this. There are a couple of different ways you can use SSH tunneling. One creates a SOCKS proxy that you can plug into most programs (including all major web browsers and FTP clients) and use that to surf or upload as if you were sitting at, for example, imagine.mines.edu (normally impossible since Imagine doesn't have a local monitor). The

other type of tunnel forwards specific services available to the SSH server to specific ports on your local machine. This is quite useful if, for example, you're trying to log into one of the (firewalled) Alamo lab machines from the outside world; set up a tunnel to forward port 22 on pie.mines.edu to port 22222 on your local system (localhost) and you're set. As long as the tunnel is active, SSHing into localhost:22222 will get you into the Alamo lab. With all that said, let's start with instructions on making tunnels in OS X or Linux, specifically "all inclusive" ones.

1. Open a terminal window.
2. Type in **ssh -ND 8080 username@imagine.mines.edu** and hit Enter, then put in your Mines CCIT password, to create a SOCKS proxy on port 8080 of your machine that feeds right to Imagine. Substitute **username** for your Mines login (Trailhead etc.) and 8080 for the port you want your tunnel to end on. Replace the **username@imagine.mines.edu** part with your SSH login to another server (a web host for example) to connect elsewhere.
- 2a. The terminal window will just sit there once connected to the tunnel; to end the tunnel exit the terminal window. If you want to make the tunnel run in the background without needing a window open add **-f** to the end of the SSH command. Just realize that, until you manually kill that particular SSH process or reboot, the proxy will stay in place.

If you want to browse the web through this proxy, Firefox is rela-

tively simple to set up for action. Just remember that you need to change your proxy settings back to "No proxy" when your tunnel is gone. These instructions apply cross-platform for Firefox (Windows, Linux, OS X) however the location of Preferences in the menu bar is going to be a little different depending on the platform.

1. In OS X, go to to the Firefox menu, then click Preferences. In Windows (and most Linux variants) you're looking for Options in the Tools menu.
2. Switch to the Advanced tab, then go to the Network sub-tab and click Settings.
3. Select Manual proxy configuration and enter **localhost** for the SOCKS Host. The Port field gets whatever port you decided to use when creating the tunnel; in my example that's 8080.
4. Hit OK until you're out of the options window, and browse away!

If you want to grab one remotely-available service and make it available to your system on some local port, the process is similar to creating a "dynamic" proxy. You just need to change your SSH command a bit. For example, to bring pie.mines.edu port 22 to localhost port 22222 through imagine, you would type in **ssh -N username@imagine.mines.edu -L 22222:pie.mines.edu:22**. Again, you can add **-f** to put this tunnel in the background so your terminal doesn't need to be open to keep the tunnel alive. As for the format of the second half of the command, **-L** brings a remote service to a local port, and the fol-

lowing string has the format **<local port>:<remote host>:<remote port>**. If you wanted to pass through web traffic from csci261.mines.edu to port 1337 on your own machine, thus making the site available at <http://localhost:1337>, this part of the command would change to **1337:csci261.mines.edu:80**.

As a side note, OS X users can get a GUI-based SSH tunnel client by the name of Meerkat, but that costs money (\$19.99 to be exact).

If you're using Windows the process involves filling out settings in PuTTY rather than punching commands into a terminal. If you really want to execute the previous instructions, install Cygwin (<http://www.cygwin.com>), a package that's installed on every Mines Windows system I've come across. Otherwise, grab PuTTY (it's at <http://oredig.us/h> if you don't have it... campus computers have PuTTY preinstalled) and follow these instructions:

1. Open PuTTY and enter SSH server into the Host Name/IP address box. If you want to log in to the Mines network, you'd want to input imagine.mines.edu here.
2. On the left hand side of the connection dialog there's a list of various options. Under Connection, click the plus sign beside SSH, then click Tunnels.
- 3a. For "dynamic" forwarding (what you use to browse the web through Imagine) set the Dynamic radio button, fill in the Source port (8080 if you're going along with the above examples) and hit Add.

- 3b. To reach one specific service, choose the Local radio button, fill in the Source port as before (22222 by the previous example) and fill in your destination host:port under Destination. If you're trying to get to SSH on pie.mines.edu, the value to fill in here would be pie.mines.edu:22. Once you're done with all that, click Add.
4. Go back to Session options (it's where you were when you started) and save your tunnel settings. That way you don't have to spend a few minutes setting everything up the next time you want to connect.
5. Click Open, type your username and password in the terminal window that pops up, and you're successfully tunneled in. Note that since Windows doesn't have SSH as a built-in service you'll have to keep your PuTTY terminal window open to keep your tunnel alive, though you can minimize the window without issue.

There you have it: a cross-platform guide to SSH tunneling. Armed with this knowledge, you can surf securely in the hottest of hotspots or log into the Mines network at blazing speeds with no Juniper Network Connect software required. One caveat is that with SSH tunneling you don't get your own IP address, but in most cases you don't need an IP of your own, so everything is still copacetic.

As always, questions, comments and clarifications to this article are encouraged. Comment on the online version of this article; I'll be watching and, to the best of my ability, answering.



# Geek of the Week

...James Hambleton, Junior: Computer Science

Dan Haughey  
Staff Writer

**Do you consider yourself a geek?**

I do. I do all sorts of geeky things. I play role-playing games. I play video games, console and computers. I program for [fun] on the side. I play board games, card games, and I play Magic: The Gathering. So, yeah, I consider myself a geek.

**How did you come to be at Mines?**

At my high school, we had a robotics club whose mentors were from Mines and they were helping us. And through them I got really excited into engineering and that sort of thing. And they were like, "We go to Mines, and if you like engineering, go there." Mines was actually the only school I applied to. And it was such a hard application, especially if you were a golden scholar (wink, wink). My backup was Boulder, but I actually didn't apply to it.

**What is your favorite geeky pick up line?**

Oh, dear. "Hey baby, can I be your derivative so I can lay tangent to your curves." That is the only one I can think of. There is another version where it is, "Hey baby, can I be your integral so I can lie under your curves," but it doesn't have the same rhythm.

**What is the geekiest thing you have seen or done?**

One of the geekiest things I have ever done was for my Intro to Programming final project, me and my roommate made a D&D battle simulator. It was legitly the coolest thing ever because we

overrode the ++ operator. To work with your character class, so your character literally leveled by doing "my\_character++." You have to completely overload the ++ operator to work with that class, which only took me like 30 minutes to do. But it was still pretty cool. But in our code, there was the line "my\_character++," and it leveled up your character regardless of your class. It was pretty much awesome. We want to revamp it and make it better. We just haven't gotten around to it. Stupid homework taking away my social life. What little social life I do have, programming - this is what I do.

**What are your hobbies?**

I do like playing role-playing games. Like currently, I am technically in four different role-playing games, two of which are active and the other two are kind of only when we have time. Well, one of them with one of my friends and we play with his brother who is up in Seattle. So we could conference call, but it's not the same. I also play Magic: The Gathering. Me and friends will do booster drafts, and everyone gets three booster packs. Open up one pack, take a card, and pass left. Go until all the cards are gone. Open up the second and go right. And so on until all the cards are gone and from

that you build a deck. From there we do a tournament. From just the cards you selected. You kind of have to meta-game and anticipate what kinds of cards you could get and from goes around you think will be good and what you need. It brings a lot of strategy to deck building because you have a very limited pool.

**What is the geekiest thing you own?**

Probably my massive collection of role-playing books. For D&D three and a half, I have a freaking stack of books. I have some for Star Wars D6, World of Darkness, and a couple books for Warhammer 40K, which I don't play because I don't have the money for it. Starting pack for any of the armies is ninety bucks. I have played it with some friends and I have seen it played and I would love it, but...

**Is that the one with the little figurines?**

You get little metal pewter figurines and you paint them then build an army with them and you battle the army against each other. There are a bunch of rolls, and it is turn based, and it pretty awesome, but expensive.

**What has been your favorite class at Mines?**

Anything with Norrgran is just awesome. She is such a good teacher. I have several favorites though. Bio 1 and Bio 1 lab, and Norrgran also teaches Application for Immunology, and those lectures

horrible, so I liked it. It's an urban fantasy about a modern day wizard who actually solicits himself out in the phone book as a wizard. It is really good and I am also reading the Hollows series or the Rachel Morgan series. It is another urban fantasy with an alternate time line scenario where they create a virus that got into the tomatoes and it killed most of the world's human population, and at this time the creatures of fantasy decided to reveal themselves.

**What is your favorite OS? Why?**

I would have to go with Windows 7. Windows 7 is what vista should [have] been. Vista wasn't horrible but it has some networking problems and such. I can understand why people run other systems. And I wouldn't call myself a fanboy of Windows, but I am not one of those crazy mac fans that say, "Mac is the best thing since sliced bread," it never gets viruses.... It doesn't get viruses because it is not the most popular OS, so there is no purpose to writing viruses for it and they still break down. If you want to laugh, go to the Mac tech support online. The forum is hilarious to read. Stuff like how do you turn the computer on. Mac is good for photo or video editing while Windows is good for industry because of what it supports, while Linux is just good if you want to run secure stable systems. Different strokes for different folks. I am just a Windows guy.

**What is your favorite formula and why?**

PV=nRT I have known that since my junior year in high school when I took honors chem. My teacher was actually a graduate of Mines.

**If you were stuck on a deserted island and you could only bring 3 items, what would they be?**

Basic survival kit (10 essentials), a book, and I don't know, another book

**If you were to come up with a class for CSM, what would it be?**

It would be bioinformatics. Bioinformatics is using computers and making programs to find patterns in genetics for the purpose of studying genes and finding similarities.

**If you could be anyone else, who would you be?**

Han Solo because he is pretty much awesome.

**What is one thing you love at Mines?**

How close the community is as a whole. I don't see hazing, or anything like that. I only see support, everyone knows what you have gone through or what you are going through. Like, "Oh, you need help with that derivative, you've just got to do this," or if you need help with your statics homework. I help a lot of my friends with their programming projects. So it's a really helping, supportive community.

**One thing you would like to see changed?**

Parking, pretty much. I live at Mines park, so I walk down every day.

# Art of science



Image: Union Station, Denver

ERIK LORD / OREDIGGER

"Art is the beautiful way of doing things. Science is the effective way of doing things. Business is the economic way of doing things."

-Elbert Hubbard

## Great Divide produces Samurai full of flavor

Kevin Lock  
Staff Writer

Great Divide Brewing Company has many different beers. One of the most unique flavors that they brew is Samurai Rice Ale. This beer is unfiltered with a yellow straw color and is mildly hazy when poured. This beer is generally bland but refreshing. It has a mellow skunky flavor upfront, but it finishes with a fruity citrus and hint of apple finish. The carbonation in this beer is mellow and non-offensive. Despite the fact that this beer is considered a rice beer I would say that it best compares to most blonde ales due to its fruity finish and light, refreshing nature.

I find that this beer is really easy to drink and very refreshing. When this beer is poured into a pint glass, it is best to swirl the beer while about 2/3 of it are left in the bottle. This will pick up the sediment at the bottom of the glass

which is composed of rice, wheat, and yeast, and full of flavor.

Great Divide has been brewing beer out of Denver for many years. According to greatdivide.com, "Great Divide beers have earned 16 Great American Beer Festival medals and 4 World Beer Cup awards. Great Divide was also ranked 8 in Ratebeer.com's 2010 'The Best Brewers in the World' and was ranked 7 in Beer Advocate's 2009 'All-Time Top Breweries on the Planet Earth.'"

Great Divide brewing company is located on 2201 Arapahoe Street in Denver with a Tap Room that is open from 2-8 PM Monday and Tuesday along with 2-10 PM on Wednesday through Saturday. In the Tap Room, Great Divide has all of their current beers on tap for people to try with happy hours from 4-7 PM. It is not quite Coors Lab, but the beers offered are microbrews and allow for exploration of your beer palate.



KEVIN LOCK / OREDIGGER

## School dentist gets creative

Sara Post  
Editor-in-Chief

"I always had in the back of my mind that these characters had a tale to tell," said Dr. Jeanette Courtad of her new children's book. Published in late 2009, the book, *Toothful Tales: How we Survived the Sweet Attack*, features Incisa, Cuspi, Mola, and Tongo, three teeth and the tongue of a young child, surviving an attack of sweet, sticky candy.

Courtad has worked at Mines for more than ten years. "I opened the dental clinic here in August of '99," she explained, "and it's just been a wonderful place to work." The CSM dental clinic, located in the Health Center, is "still the best deal going... the co-pay is ridiculously low," Courtad said.

The inspiration for the book came from an assignment during her freshman year in dental

school. "We did presentations to low-income grade students... I thought, you know, if they really could see three-dimensionally where the germs hide, that could be helpful," she explained. "So I got some couch foam and carved out teeth that were about 2 feet high, three of them... and I covered them with terry cloth in white... the germs were Velcro, and so the kids could come up and I had a giant toothbrush and I had them help brush the germs off the teeth."

The foam teeth eventual became the characters in the book. Courtad hopes to write more stories about the teeth, and has started on paintings about a trip to the dentist. She is hoping to work with the American Dental Association, possibly replacing the dinosaur character that they have been using for years.



STEVEN WOOLDRIDGE / OREDIGGER





Above, Robby McGourty places 4th in the men's pole vault during the RMAC Indoor Track and Field Championships.

# Indoor track sets new records

Trevor Crane  
Staff Writer

There is no atmosphere quite like a track meet. The buzz never seems to die out as there is always some event to watch. Athletes and fans intermingle and scream and roar at nearly every event. The Colorado School of Mines doesn't have the same recruiting possibilities that other RMAC schools have. Yet they proved themselves at the RMAC championships at CSM's Steinhauer Field House over Friday and Saturday as the men came in fifth and the women, fourth.

On the men's side of the action, Mines did not disappoint. They began the weekend with a strong third place finish in the Distance Medley Relay, an event in which Mines was the defending national champion. They fell behind only Adams State and Metro State, arguably the top two teams in the nation. "It's been a really tough week at school" anchor Mack McClain commented, "had this been nationals, I know we could have caught them". But senior teammate Ben Zywicki wasn't disappointed as he added, "that's the fastest leg we've run so far as a team. We showed a lot of improvement". Zywicki went on to fly to a conference championship of his own in the men's 3000m.

As for the rest of the track events, freshman Ryan Marshall ran a 51.13 400m race to earn 4th and freshman Ryan Hanley placed 4th in the 800m.

In the field events, Nick Zehring held up his end of the bargain with great performances in the Weight Throw and Shot Put. He placed 9th at the championships in the weight throw, but his best event was the shot put, as he blasted his way to a new school record. Zehring's throw of 16.97m was good enough to earn him 3rd place overall in the conference and a spot in at the national competition. "It felt great" a smiling Zehring had to say, "You can feel if a throw is going to be good or not. I knew it was good as soon as it left my hand". In other field events, Robbie McGourty cleared 14'3.25" for

an impressive 4th place.

Sophomore Jim Hanafin put in a solid effort all day long in a battle for first place in the heptathlon with Nebraska-Kearney's Bryson Mahlberg. Heading in to the final event, the 1000m, only one point separated the two. But Hanafin couldn't quite keep up his pace in the intense race and ended finishing 3rd overall. "It was a good weekend" he concluded.

For the women, it was a big two days for sprinter Kiera Benson. Benson has been one of the Orediggers' fastest sprinters in recent years and proved it once again today with a second place finish in the 200m and a solid 2nd in the 60m dash as well. Teammate Kristen Rinedollar added to her success by running away from the competition in the women's 400m. Her time of 58.40 edged out second place by .02 seconds and earned her the conference title and a trip to nationals. "In the photo finish, you can see my chest barely in front of the other girl, it was pretty awesome"

In the Women's Distance Medley Relay, it is an anxious wait until nationals. As of Saturday, CSM sits around 9th or 10th nationally, right on the bubble of being a team accepted to participate. Anchor runner Marie Patton was pleased with the result, "everyone just hit their pace. I wish I had gone out a little bit faster and maybe gained two or three seconds to make sure we get a spot at nationals." But they didn't stop there. After running and winning the 3000m run, Marie anchored the women's 4x400m team in leading them to a school record finish of 4:04.93. But Rinedollar believes they have even more potential. "I think we all can do even better"

For a school that battles rigorous work in the classroom and limited recruiting possibilities, Mines clearly showed their potential over the weekend. School records, personal records, and national qualifiers; nearly every event had a top finisher from Colorado Mines as they continued their drive toward excellence and look forward to the outdoor season.



Above, Jim Hanafin runs in the men's 60m hurdles and places 9th.



Above, Mack McLain and Russell Drummond compete in the men's one mile run. Mack places 8th and Russell places 10th.

ALL PHOTOS STEVEN WOOLDRIDGE / OREDIGGER



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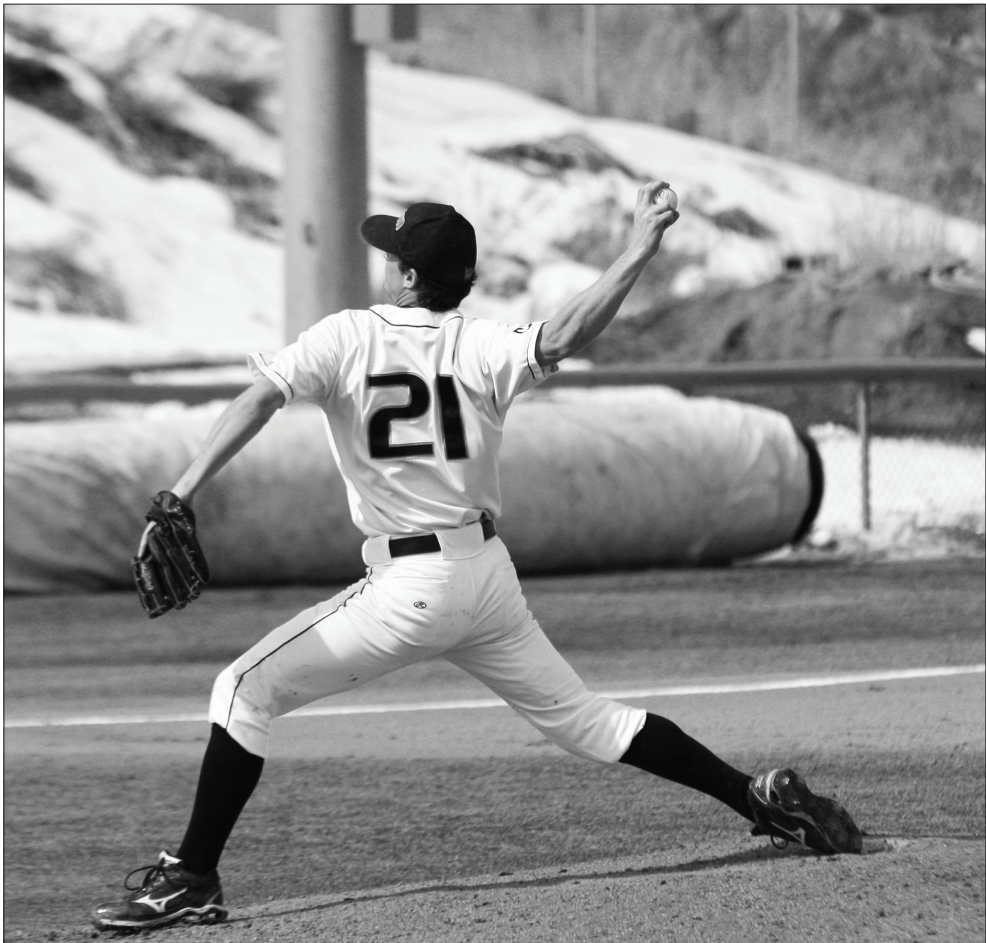




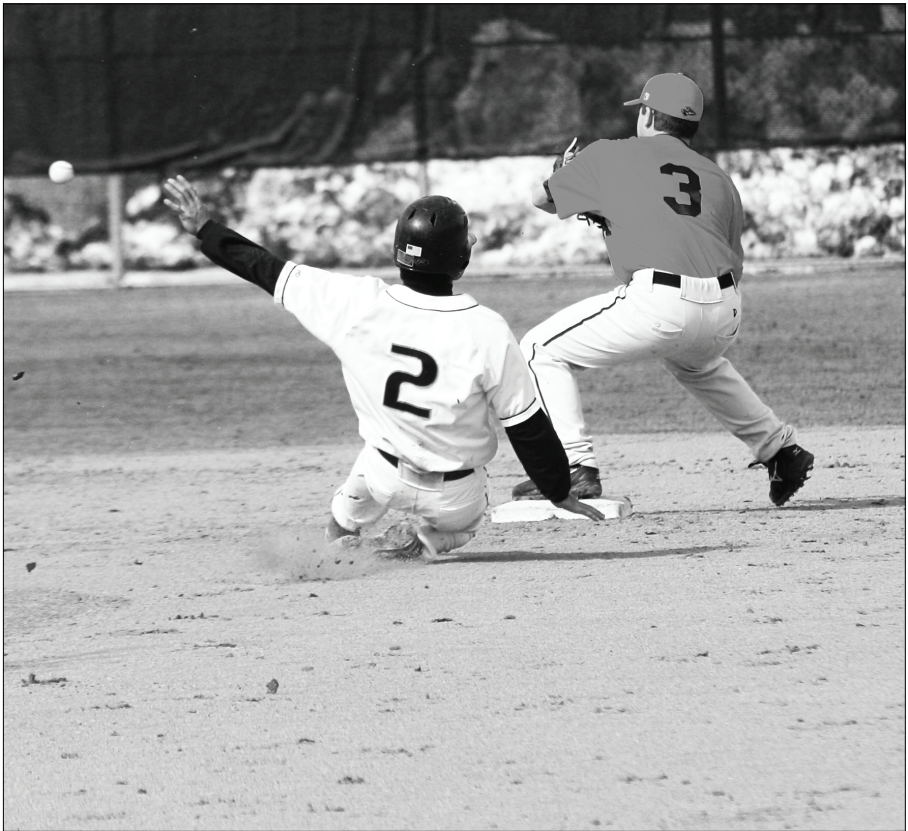
Above, Craig Matsuda (#2) gets a single.



Above, First baseman Elliott Riege (#25) awaits the throw to get the final out early in the game.



Above, Marshall Schuler (#21) pitches during Saturday's game versus University of Nebraska Kearney.



Above, Craig Matsuda (#2) steals second.

ALL PHOTOS STEVEN WOOLDRIDGE / OREDIGGER

# ATHLETE OF THE WEEK

...DAVID STUART, SENIOR; TRACK TEAM

Trevor Crane  
Staff Writer

Senior Oredigger David Stuart raises the bar for everyone else. Literally. Stuart is a high jumper for the Colorado Mines track team this year and is threatening the school record. This year he has already provisionally qualified for a spot at the Division II national championships, making him near the top 20 jumpers in the nation. For his performance and effort throughout his career, Stuart is the first Oredigger Athlete of the week.

Like a few other of his teammates, Stuart did not spend his life training to become an All-American jumper. He did not jump until the final month of high school and he did not even get awarded an athletic scholarship for his efforts. But he has already jumped 6'8.75" (2.06m), only two centimeters under the record. By comparison, that means he could jump over something about the height of a regular doorway.

This week, the Oredigger caught up with Stuart to find out more about the stud:

**Oredigger:** When did you first start jumping?

**David Stuart:** I actually didn't start track until the last month of high school. It was around April of my senior year. I just tried it one day and found I was pretty good. (Pretty good means he got 2<sup>nd</sup> overall in 3A Colorado that year.)

**Oredigger:** Why did you begin jumping?

**David:** I was hurt for most of my senior year basketball season, I just wanted to keep doing something, and track seemed pretty interesting.

**Oredigger:** What kind of workouts do high jumpers do?

**David:** Well, we do a lot of lifting. Sometimes we train with the sprinters. But mostly just a lot of working out and plyometrics.

**Oredigger:** Sounds fun. Why do you choose to run track?

**David:** It's exciting from my point of view. You get a chance to work out and be competitive.

**Oredigger:** What are some of the challenges of being a student athlete at Mines?

**David:** Well, I'm a chemical engineer and the time commitment is pretty crazy. But track really lets me get my mind off school.

**Oredigger:** Track has both indoor and outdoor seasons, how

are they different for you?

**David:** Mostly they're the same. In indoor, it's not freezing cold and there's no wind blowing, but the surface indoors is harder on your body.

**Oredigger:** How is track different from other team sports?

**David:** I don't know much about what other team sports are like, but the atmosphere is a lot nicer. It's weird; track athletes don't trash talk.

**Oredigger:** What are some goals you have for the upcoming season?

**David:** I want to jump 7'2". But really, I just want anything over 7".

**Oredigger:** 7 Feet, are you insane?

**David:** (laughs) Yeah, well physically I know I can. I have been jumping really well in practice, so we'll see how the season goes.

Stuart had a tough day at the RMAC championships and looks to start strong in the upcoming outdoor season with the ultimate goal of winding up at nationals. But, Stuart is nonetheless one of the best high jumpers Mines has seen in many years, and for his season-long effort, he is our Oredigger Athlete of the Week.



# Winter Ball

BALLROOMS A, B AND C

Saturday, *March 6<sup>th</sup>* 8:00 to 11:00P.M

## Live DJ!



Tasty Food & Refreshments!



Dance off for a Free IPod SPEAKER

**Dock!**



**Charity Event:** Admission is only a simple a can(s) of food!!!



Presented by **RHA** and **Swe**





# Minds at Mines

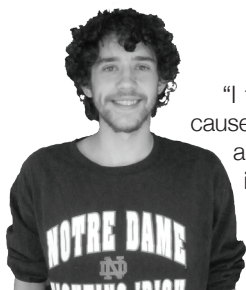
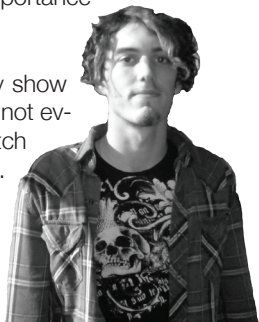
## The importance of sporting

**Roby Brost**  
Staff Writer

Sweat, blood, tears, teamwork, individual excellence, crushing defeat, sacrifice... and triumph. No, it is not an education at the Colorado School of Mines; rather it is part of the complex atmosphere that surrounds the Olympic Games. The venue to which nations send their best ambassadors is full at this time of the year; some nations send hundreds, while some send their very first representative to stand alone amidst the throngs. Despite the intensity and the grandeur, the Winter Olympics are still just exhibitions of sport. So are they really that important? Not every country attends. Certainly there are discrepancies among advantages of the athletes. Most importantly - these are games. A few weeks every four years and the Games are done. But then, what if it is not the games themselves that are important? This week, Minds at Mines wanted to know whether or not the Winter Olympics are important. What is the importance of sporting?

"The Olympics are important because they show which country is good at each event, and that not every country is good at everything. I like to watch the ski racing; it's one of the things I try to catch. I used to ski, so it is pretty important to me."

Alex Burton



"I think that the Winter Olympics are important because it offers a good opportunity for the countries that are antagonistic toward one another to get together in sport."

Chris Thiebaud

"It's very important internationally. Every nation has the opportunity to show off what they have in athletics and compete. It forces a break from all of the issues all around the world... It's just like the Olympic flag: every country has a color represented in the flag."

Miguel Ochoa



ALL PHOTOS ROBY BROST/OREDIGGER



## Why Denver needs another John Elway

**Tim Weilert**  
Content Manager

When the Broncos won the Super Bowl two years in a row in the late 90's, John Elway was on top of the world. At an age when most people in his position would have retired, Elway brought leadership and skill to the field in a way that caused joyous rioting downtown Denver. Not since those glory days have we seen an athlete who embodied the type of celebrity that is beneficial for a city.

Elway had a tenacity on the field that was impeccable and brought real results. If we see another sport-related celebrity rise to fame in our fair city, they will certainly need to perform at a level far above their peers in their sport. However, sports aside, if we were to see any sort of rising star, they would need to excel in their field, regardless of what the status-quo may be.

Following his retirement, Elway got into the business world. In the past decade he has ventured to invest in auto-sales, restaurants,

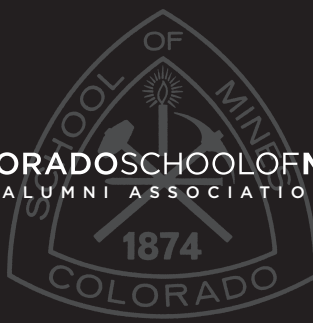
and Arena Football. Although not all of those projects are in the same state as when they began, they point to an important characteristic, smart business sense. To use wealth and fame effectively are not only prudent qualities, but also beneficial to the community at large.

Most importantly, Denver needs a celebrity who will avoid common pitfalls that are too often exploited by tabloids. We need a celebrity who can be a role model, who won't do drugs or have extra-marital affairs. But it's also important to remember that such celebrities are still real people, not demigods. While a good measure of reality is necessary, it also would be nice to see the Broncos win another Super Bowl.

### Editorials Policy

The Oredigger is a designated public forum. Editors have the authority to make all content decisions without censorship or advance approval and may edit submitted pieces for length so long as the original meaning of the piece is unchanged. Opinions contained within the Opinion Section do not necessarily reflect those of Colorado School of Mines or The Oredigger. The Oredigger does not accept submissions without identification and will consider all requests for anonymity in publication on a case-by-case basis. Submissions less than 300 words will receive preference.

COLORADO SCHOOL OF MINES  
ALUMNI ASSOCIATION



# Students, we're here for you too.

## Student Alumni Association

### What's an "M"-ulator?

A member of the Colorado School of Mines student alumni association.

### Why Should I Join?

"M"-ulators are invited to events throughout the year.

Membership also includes

- Advanced invitations to networking events
- Early notice, information about alumni-based scholarships
- Get valuable advice by being paired with an alum through the Mentoring Program, and much more!

### What's the cost?

Annual membership is \$20

To join, go to <http://minesonline.net/membership>

Or contact **Elizabeth Garcia**: [Elizabeth.Garcia@is.mines.edu](mailto:Elizabeth.Garcia@is.mines.edu) / 303-384-2143



## Upcoming "M"-ulator Events:

### Business Etiquette Dinner - Wednesday, March 31, 5:30pm - 7:30pm

Where: **Friedhoff Hall, Green Center, 924 16th Street, Golden, CO**

Facilitator: **Mrs. Laura Zaspel, Serendipity Catering**

Cost: **\$10 - Includes four-course dinner & beverages**

**"M"-ulators:** Want to brush up on your business etiquette skills? While enjoying dinner, you will hear about everything from forming the right first impression to the finer points of dining. Alumni, serving as table hosts, will offer their tips on social graces.

### Topics will include:

- The art of introducing people & first impressions
- Knowing how to say "thank you"
- When you are the new kid on the block
- The art of conversation
- Business Dress
- International Protocol

**RSVP to Elizabeth Garcia:** [Elizabeth.Garcia@is.mines.edu](mailto:Elizabeth.Garcia@is.mines.edu) / 303-384-2143

## CSMAA Events for ALL Graduating Students:

### Order of the Engineer Induction Ceremony - Tuesday, April 20

See [http://minesonline.net/OOE\\_2010](http://minesonline.net/OOE_2010) for more information.

**Contact Alison Smith:** [Alison.Smith@is.mines.edu](mailto:Alison.Smith@is.mines.edu) / 303-273-3424

### Celebration of Alumni - Thursday, April 29

Graduating from Mines inspires great things. Join us for a special celebration of our May 2010 graduates and our Distinguished Achievement Medalists.

## For ALL Students:

### Networking Night - March 10

There is an art to networking successfully. Come learn about it from three masters.

### Your Speakers:

**Andrew Flynn**, PE BSc Geop '86, MSc Geol Eng '98.

Andy has been in business development, professional networking, client service and program management for more than 20 years. He is a senior consultant with Delta Consultants, a full-service, global consulting firm.

### Kevin Knebl

Kevin is a professional speaker who helps companies and individuals develop successful networking practices.

### Tom Ramirez

Tom has more than 25 years experience in marketing, advertising, promotions and public relations. He has built several business enterprises through face-to-face and online networking and will share his secrets to help you grow your network.

Open to all students, but seating is limited.

**To RSVP and for further details contact Serena Stickney:**

[Serena.Stickney@is.mines.edu](mailto:Serena.Stickney@is.mines.edu) / 303-273-3290

### Edgar Mine Tour - Thursday, April 1, 1:00 pm

Join us for a post-tour snack at Beau Jo's Pizza. Families are welcome.

**Contact Alison Smith:** [Alison.Smith@is.mines.edu](mailto:Alison.Smith@is.mines.edu) / 303-273-3424

### Do you have your Mines License Plates

Get them here: <http://minesonline.net/licenseplateorderform>

COLORADO SCHOOL OF MINES  
ALUMNI ASSOCIATION

[csmaa@mines.edu](mailto:csmaa@mines.edu)  
303.273.3295



# Fool's Gold

“Beer pong added to Winter Olympics.”



## All objects have paisley pattern

Janeen Neri  
Couch Observer

Scientists in South America have recently discovered that everything in the universe is covered in mauve-colored paisley when unobserved.

“This is a bit of a disappointment,” said lead researcher, Dr. Genma, “we were expecting something a little more... dignified.”

Discovering what objects look like while unobserved, though silly sounding, was a formidable task. When asked how his team observed the unobservable, Genma replied, “we didn’t. Instead, we bribed the universe to tell us.”

To bribe the universe, the Mayan team spent hundreds of generations loading unmanned spacecraft with Twinkies and sending them into black holes. “It’s all here in the old legends,” Genma explained, “ever since we started the secret science program in this underwater lab, we’ve been sending these gifts into the ‘ravenous maw of the deep.’ First it was corn, but after a few years of work we discovered Twinkies, which needed

much less babying to survive the harshness of space. Plus, they have cream filling.”

While wars, disease, and slavery ravaged the villagers aboveground, the scientists continued in their generation-to-generation duties bribing the universe. “It really helped,” Genma said, “when we discovered FTL travel about 800 or so generations ago. That sped things up a lot. So did discovering shirts – you have no idea how uncomfortable it is to clip a pocket protector to a loincloth!”

While they weren’t loading up the next craft, the scientists had plenty of time to pursue side projects. “Given our knowledge of our language,” Genma said, “for example, we were able to construct modern language before the speakers did. That’s why you don’t need a translator right now; we invented English long before the Saxons got around to it.”

However, the real focus was always the appearance of unobserved objects. “All of our little hobbies were fun for a time,” Genma said, “but still that question burned on our lips: how do things look when no one is looking? It’s the same thing as the falling tree with no one around. You can imag-

ine our excitement when the universe finally answered us.”

The answer finally came sometime last week, in the form of a mauve paisley sofa “rising up out of air,” as Genma put it. At first the scientists were puzzled at the meaning of the sofa, but soon a consensus was reached: this sofa was the emissary of the universe, and it had the answer written all over its hideous fabric. Some said that it must mean the universe was made of paisley; others insisted that objects must look like paisley sofas while unobserved, but the majority held that objects are merely patterned in mauve paisley when unobserved.

Now that the question is answered, what do the Mayans have planned for their next project? “The universe has let us know,” said Genma, “that we’ll have to send several thousand more generations of Twinkies for this answer, but we really do want to know what sound a tree falling in the forest makes when no one can hear it. My cacao beans are on that wbr-wbr-wbr sound one of my colleagues can make by humming and rapidly pulling in and out the skin of his cheeks.”

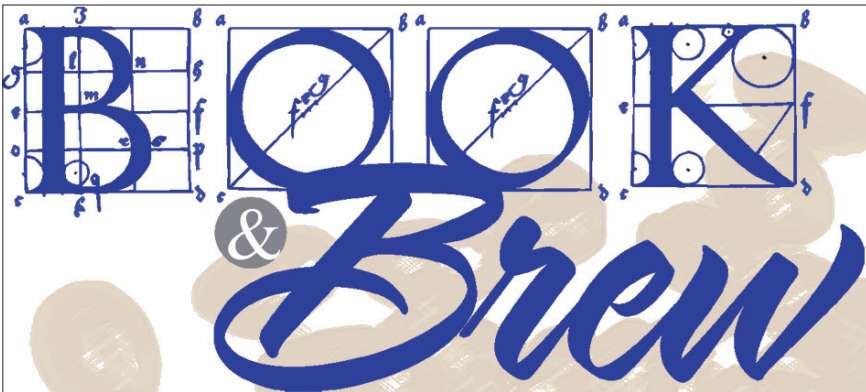
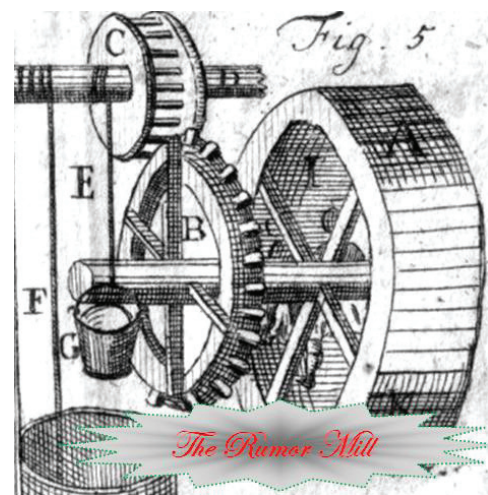
## THE RUMOR MILL

### Campus rumors debunked

Mike Stone  
Content Manager

**Rumor:** One free puppy for everyone on campus.  
**Status:** Confirmed  
**Description:** Since there are over three thousand people at CSM, the puppy is only yours for 53 minutes each year.

**Rumor:** Daniel DeLewis to fight the ghost of Elanor Rigby at E-Days Center Ring event.  
**Status:** Busted  
**Description:** Boxing has its downsides, but it hasn’t stooped this low yet.



at Arthur Lakes  
Library



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- Hormone-free Milk
- Do you work on Campus on Saturdays? You can now get your AFPP (afternoon face plant prevention) at the Book & Brew

- PROUDLY SERVING ALLEGRO COFFEE & TEA
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